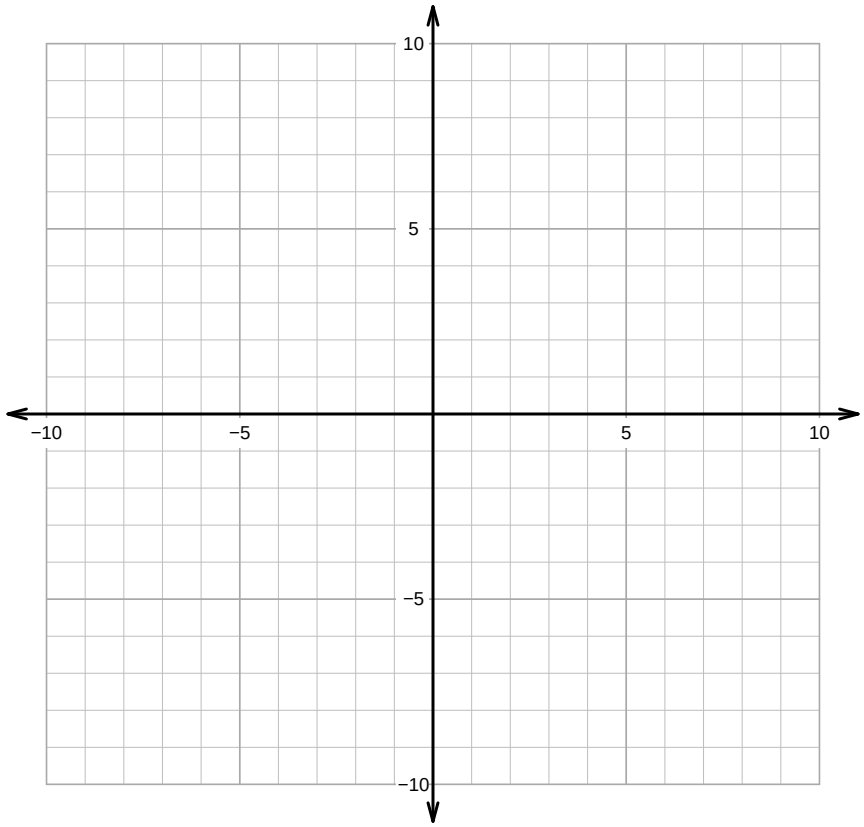
Notes: Parent Function Transformations

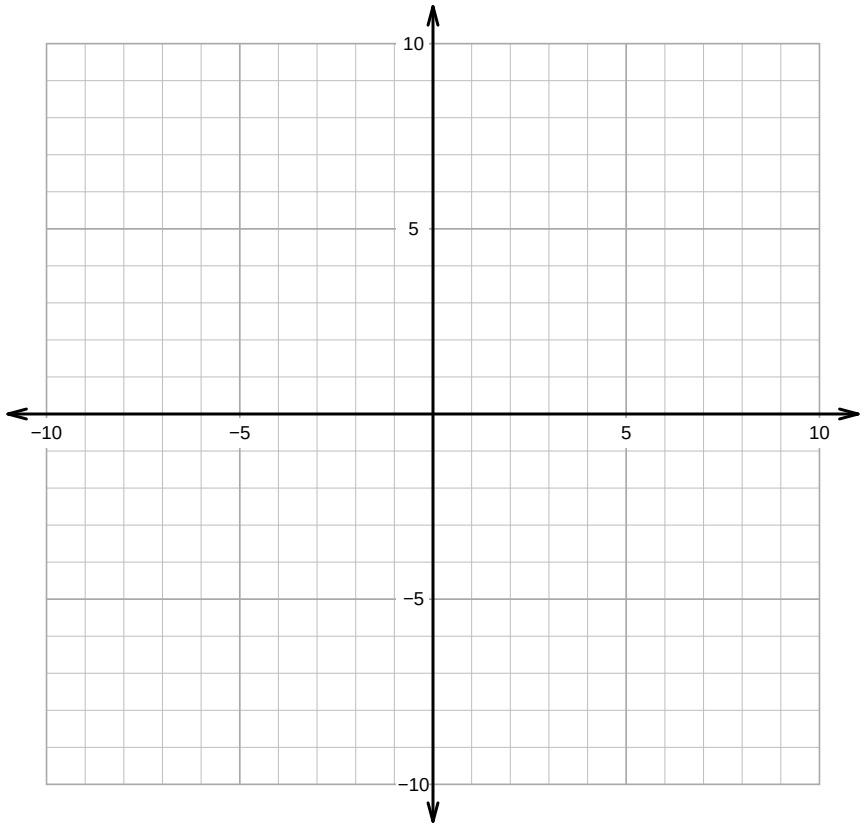
1. Make an accurate graph of the transformed parent function.

$$y = 3\sqrt{\frac{x+4}{2}} - 5$$



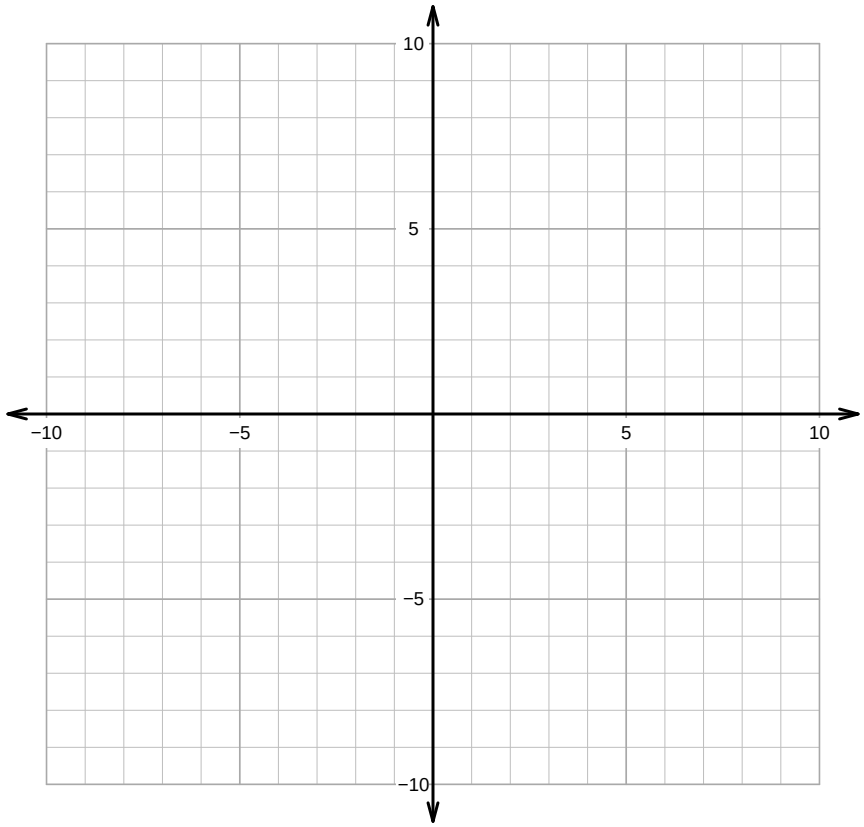
2. Make an accurate graph of the transformed parent function.

$$y = \frac{2}{x-1} + 3$$



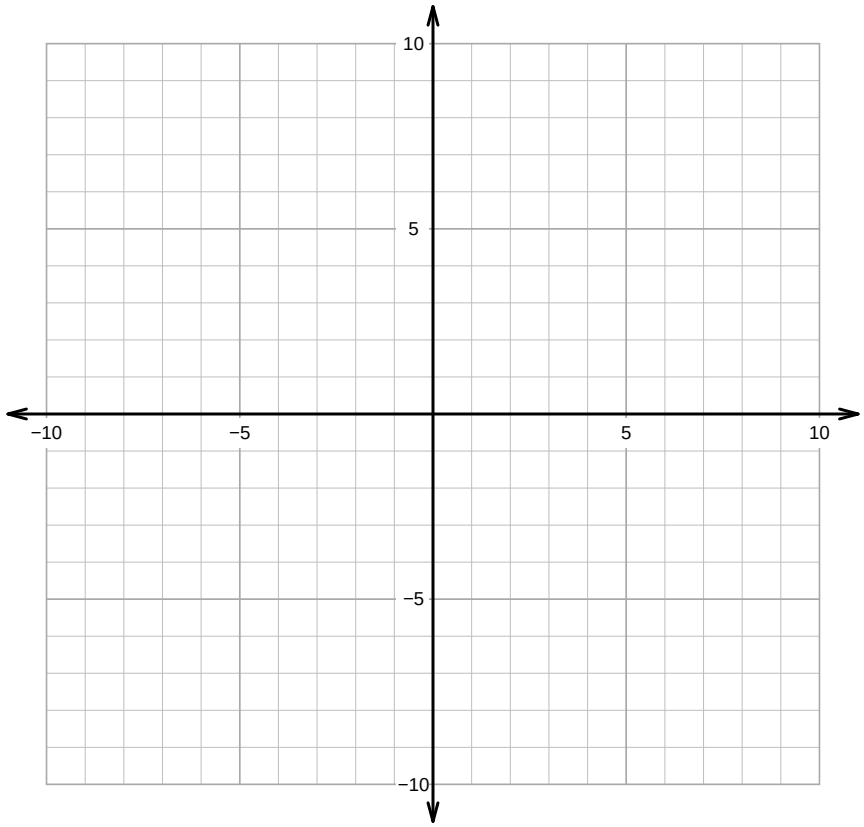
3. Make an accurate graph of the transformed parent function.

$$y = 3 \cdot 2^{4+x/2} - 9$$



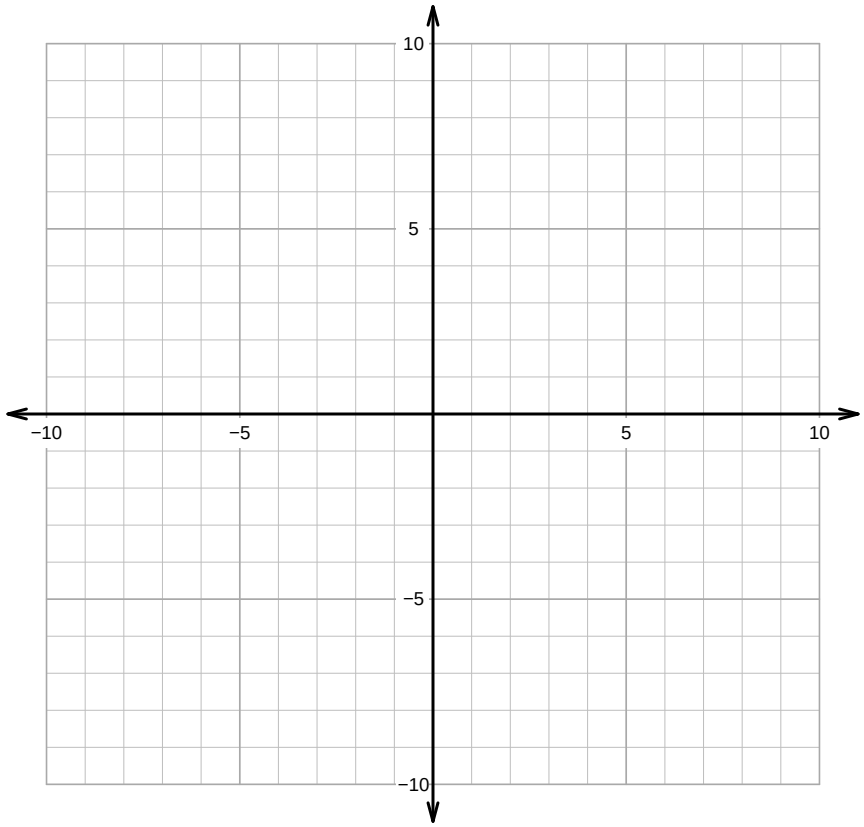
4. Make an accurate graph of the transformed parent function.

$$y = \frac{1}{2} \cdot \left(\frac{x}{3} + 1\right)^2 - 7$$



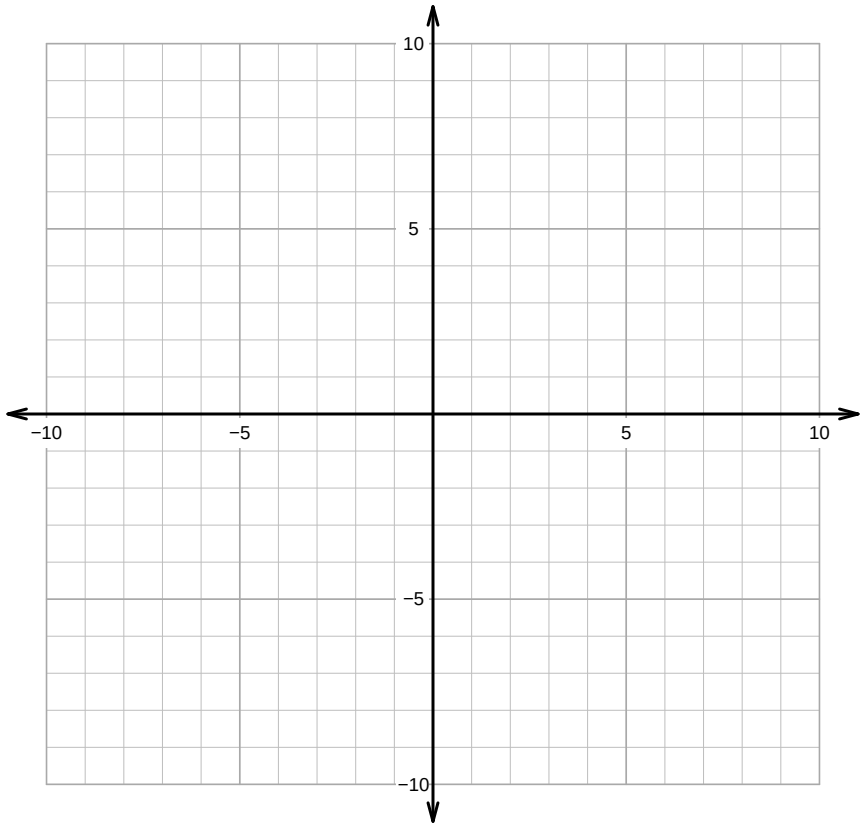
5. Make an accurate graph of the transformed parent function.

$$y \;=\; 2 \cdot (4 - x)^3 + 7$$



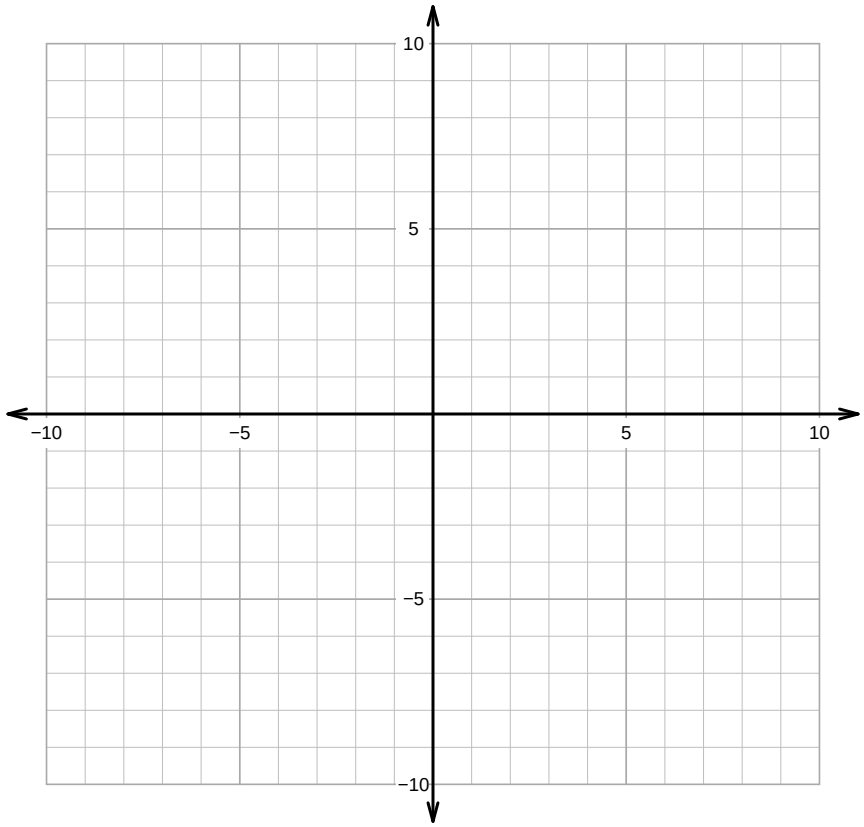
6. Make an accurate graph of the transformed parent function.

$$y = -2 \cdot |x + 1| + 5$$



7. Make an accurate graph of the transformed parent function.

$$y = \frac{\sqrt[3]{2x-3}}{2} + 5$$



8. Make an accurate graph of the transformed parent function.

$$y \;=\; 2 \cdot \log_2\left(\frac{x}{2} + 2\right) - 2$$